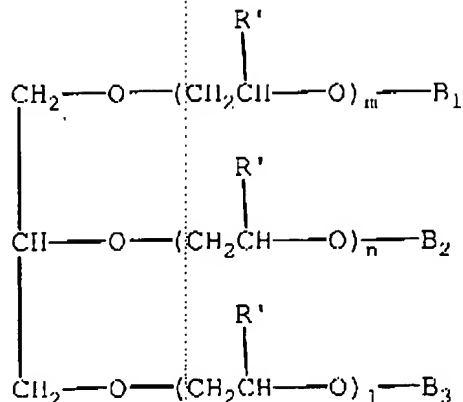


Appendix A

Please amend the following claims as indicated in the following marked up copy of the claims.

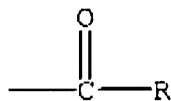
1. (Currently amended) Composition comprising
- (i) compounds represented by the following formula (I), wherein each of B1, B2 and B3 independently represent a group represented by the following formula (II);
 - (ii) compounds represented by the following formula (I), wherein two of B1, B2 and B3 independently represent a group represented by the following formula (II), the remainder representing H;
 - (iii) compounds represented by the following formula (I), wherein one of B1, B2 and B3 represents a group represented by the following formula (II); the remainder representing H;
 - (iv) compounds represented by the following formula (I), wherein each of B1, B2 and B3 represent H;
- the weight ratio of the compounds (iii)/(ii)/(i) being 46 to 90/9 to 35/1 to 15:

Formula (I):



R' representing H or CH₃, and each of m, n, and l independently representing a number from 0 to [4] 1, the sum of m, n and l [being in the range of 1 to 4] in formula (I) is smaller than 2;

Formula (II):



wherein R represents an alkyl or alkenyl group having 6 to 22 carbon atoms.

2. (Previously Amended) Composition according to claim 1, wherein the weight ratio of the compounds (iii)/(ii)/(i) is 60 to 83/16 to 35/1 to 6.

3. (Original) Composition according to claim 1, wherein R' in formula (I) represents H.

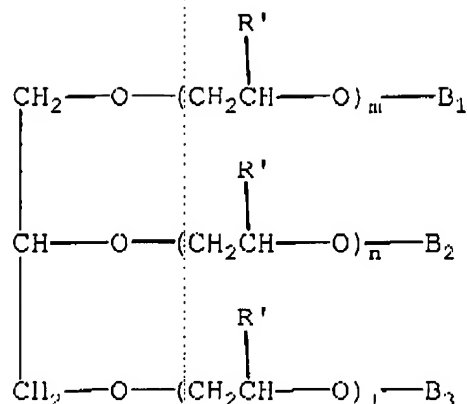
4. (Original) Composition according to claim 1, wherein the sum of m, n and l in formula (I) is in the range of 1.5 to

[3.0]

5. (Previously Amended) Composition comprising

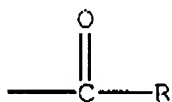
- (i) compounds represented by the following formula (I), wherein each of B1, B2 and B3 independently represent a group represented by the following formula (II);
 - (ii) compounds represented by the following formula (I), wherein two of B1, B2 and B3 independently represent a group represented by the following formula (II), the remainder representing H;
 - (iii) compounds represented by the following formula (I), wherein one of B1, B2 and B3 represents a group represented by the following formula (II); the remainder representing H;
 - (iv) compounds represented by the following formula (I), wherein each of B1, B2 and B3 represent H;
- the weight ratio of the compounds (iii)/(ii)/(i) being 60 to 83/16 to 35/1 to 6:

Formula (I):



R' representing H, and each of m, n, and l independently representing a number from 0 to 4, the sum of m, n and l being in the range of 1.5 to 3.0;

Formula (II):



wherein R represents an alkyl or alkenyl group having 6 to 22 carbon atoms.

6. (Original) Composition according to claim 5, wherein the sum of m, n and l in formula (I) is smaller than 2.

7. (Original) Composition according to claim 5, wherein the weight ratio (i)+(ii)+(iii)/(iv) is in the range of 85/15 to 40/60.

8. (Previously Amended) Method for the preparation of a composition comprising

- (i) compounds represented by the following formula (I), wherein each of B₁, B₂ and B₃ independently

represent a group represented by the following formula (II);

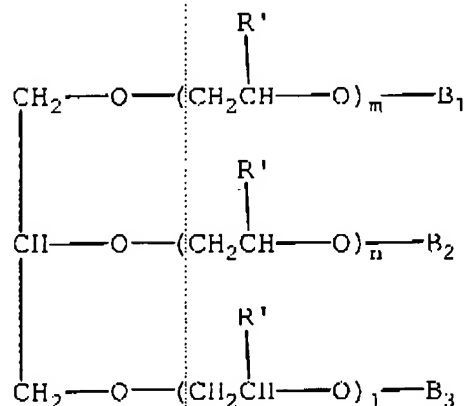
(ii) compounds represented by the following formula (I), wherein two of B1, B2 and B3 independently represent a group represented by the following formula (II), the remainder representing H;

(iii) compounds represented by the following formula (I), wherein one of B1, B2 and B3 represents a group represented by the following formula (II); the remainder representing H;

(iv) compounds represented by the following formula (I), wherein each of B1, B2 and B3 represent H;

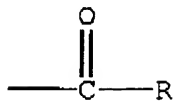
the weight ratio of the compounds (iii)/(ii)/(i) being 46 to 90/9 to 35/1 to 15:

Formula (I):



R' representing H or CH₃, and each of m, n, and l independently representing a number from 0 to 4, the sum of m, n and l being in the range of 1 to 4;

Formula (II):

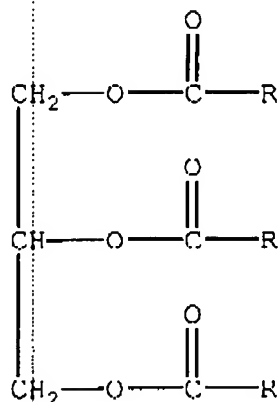


wherein R represents an alkyl or alkenyl group having 6 to 22 carbon atoms;

The method comprising the following steps:

- a) subjecting a mixture of glycerine and a compound of the following formula (III) to an interestification reaction:

(III)



wherein R represents an alkyl or alkenyl group having 6 to 22 carbon atoms, and

- b) subjecting the reaction mixture obtained in step a) to an alkoxylation using an alkylene oxide having 2 or 3 carbon atoms in the presence of an alkaline catalyst.

9. (Previously Amended) Method for the preparation of a composition comprising

- (i) compounds represented by the following formula (I), wherein each of B1, B2 and B3 independently represent a group represented by the following

formula (II);

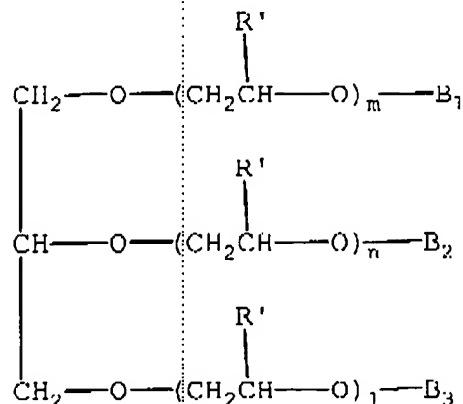
(ii) compounds represented by the following formula (I), wherein two of B₁, B₂ and B₃ independently represent a group represented by the following formula (II), the remainder representing H;

(iii) compounds represented by the following formula (I), wherein one of B₁, B₂ and B₃ represents a group represented by the following formula (II); the remainder representing H;

(iv) compounds represented by the following formula (I), wherein each of B₁, B₂ and B₃ represent H;

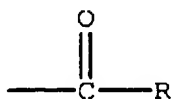
the weight ratio of the compounds (iii)/(ii)/(i) being 46 to 90/9 to 35/1 to 15:

Formula (I):



R' representing H or CH₃, and each of m, n, and l independently representing a number from 0 to 4, the sum of m, n and l being in the range of 1 to 4;

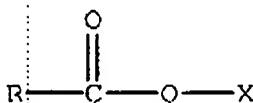
Formula (II):



wherein R represents an alkyl or alkenyl group having 6 to 22 carbon atoms;

the method comprising the following steps:

- a') reacting a mixture of glycerine and alkylene oxide having 2 or 3 carbon atoms in the presence of an alkaline catalyst, and
- b') reacting the reaction mixture obtained in step a') with a compound of the following formula (IV):



(IV)

wherein R represents an alkyl or alkenyl group having 6 to 22 carbon atoms, and X represents a methyl group or H.

10. (Previously Amended) Detergent composition containing a composition comprising the following compounds (i) to (iv) in an amount of 0.5 to 20 wt.-%.

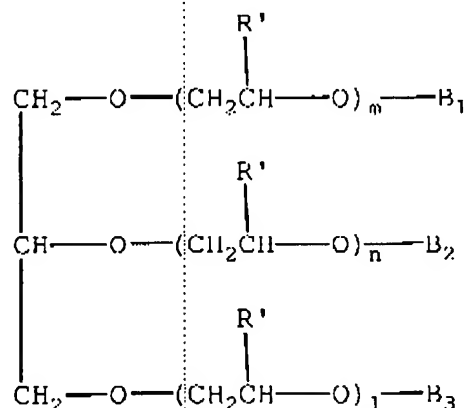
- (i) compounds represented by the following formula (I), wherein each of R1, R2 and R3 independently represent a group represented by the following formula (II);
- (ii) compounds represented by the following formula (I), wherein two of R1, R2 and R3 independently represent a group represented by the following formula (II), the remainder representing H;
- (iii) compounds represented by the following formula (I),

wherein one of B1, B2 and B3 represents a group represented by the following formula (II); the remainder representing H;

(iv) compounds represented by the following formula (I), wherein each of B1, B2 and B3 represent H;

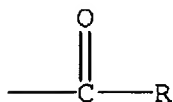
the weight ratio of the compounds (iii)/(ii)/(i) being 46 to 90/9 to 35/1 to 15:

Formula (I):



R' representing H or CH₃, and each of m, n, and l independently representing a number from 0 to 4, the sum of m, n and l being in the range of 1 to 4;

Formula (II):



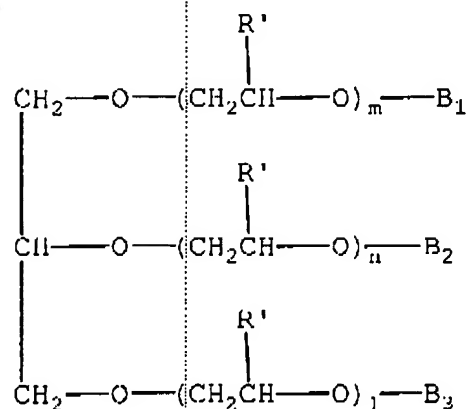
wherein R represents an alkyl or alkenyl group having 6 to 22 carbon atoms.

11. (Previously Amended) Detergent composition containing a composition comprising the following compounds (i) to (iv) in an amount of 1 to 8 wt.-%.

- (i) compounds represented by the following formula (I), wherein each of B₁, B₂ and B₃ independently represent a group represented by the following formula (II);
- (ii) compounds represented by the following formula (I), wherein two of B₁, B₂ and B₃ independently represent a group represented by the following formula (II), the remainder representing H;
- (iii) compounds represented by the following formula (I), wherein one of B₁, B₂ and B₃ represents a group represented by the following formula (II); the remainder representing H;
- (iv) compounds represented by the following formula (I), wherein each of B₁, B₂ and B₃ represent H;

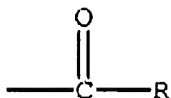
The weight ratio of the compounds (iii)/(ii)/(i) being 60 to 83/16 to 35/1 to 6;

Formula (I):



R' representing H, and each of m, n, and l independently representing a number from 1 to 4, the sum of m, n and l being in the range of 1.5 to 3.0;

Formula (TT):



wherein R represents an alkyl or alkenyl group having 6 to 22 carbon atoms.

US 6,265,373 B1

9

10

-continued

COMPONENTS	
(Emul @ 277E from Kao)	
Sodium Cocosulfonate (40% Dry)	7.5
(Betadet @ SHC-2 from Kao)	
Example E' product	3.5
Lauryl hydroxy sulfate (45% Dry)	5.0
(Betadet @ S 20 from Kao)	
Oleic esterquat (80% Dry Matter)	0.5
(Tetramyl @ CO-40 from Kao)	
Pearling agent (Danox @ BV-22 from Kao)	3.0
Perfume	e.g.
NaCl	e.g.
Preservative	e.g.
ANALYSIS	
Appearance	Pearled viscous liquid
pH (100%)	6.0-6.5
Viscosity (cps) 20° C.	~7000
% Dry matter	19-21
Stability	OK

Bath gel

COMPONENTS	
Deionized water	
to 100	
Sodium Lauryl sulfate (27% Dry)	37.0
(Emul @ 277 E from Kao)	
Cocamidopropoxybetaine (34% Dry)	10.0
(Betadet @ ITR from Kao)	
Example F product	2.5
Perfume	0.5
NaCl	0.5
Preservative: Kathon CG @ from Rohm & Haas	0.05
EDTA-Na ₂	0.05
ANALYSIS	
Appearance	Transparent viscous liquid
pH (100%)	5.0-6.0
Viscosity (cps) 20° C.	6000-8000
Turbidity point (° C.)	<1
% Dry matter	18-20
Stability	OK

Hair conditioner

COMPONENTS	H1	H2
Deionized water		
to 100		to 100
Polyethylene glycol	2.0	2.0
Dioleic esterquat (80% Dry Matter) (Tetramyl @ CO-40 from Kao)	1.9	—
Cetrimonium Chloride (25% Dry) (Quatsin @ 61W25 from Kao)	—	6.0
Cocaryl alcohol (Kalcot @ 6870 from Kao)	3.0	3.0
Example A product	0.5	0.5
Perfume	e.g.	e.g.
Preservative	e.g.	e.g.

-continued

Hair conditioner

COMPONENTS	H1	H2
ANALYSIS		
Appearance	White viscous emulsion	White viscous emulsion
pH (100%)	4-6	4-6
Viscosity (cps) 20° C.	~5000	~5000
% Dry matter	4.5-5.5	4.5-5.5
Stability	OK	OK

Manual dishwashing

COMPONENTS	M1	M2
Deionized water		
to 100		to 100
Na Laurylsulfonate (70% Dry) (Emul @ 270E from Kao)	9.5	17.0
Sodium C14-16 Olefin Sulfonate (37% Dry) (Allanox @ 46 from Kao)	27.0	14.7
Cocamidopropoxybetaine (34% Dry) (Betadet @ H8)	2.0	2.0
Cocamid DEA (Antidet @ B-112 from Kao)	1.0	1.0
Example E' product	2.0	2.0
NaCl	2.0	1.5
Formaldehyde 40%	0.1	0.1
ANALYSIS		
Appearance	Translucent viscous liquid	Transparent viscous liquid
pH (100%)	6.5-7.5	6.5-7.5
Viscosity (cps) 20° C.	400-800	400-800
Turbidity point (° C.)	~6	~4
% Dry matter	22-24	22-24
Washed dishes	17	17
Stability	OK	OK

All purpose cleaner

COMPONENTS	
Deionized water	
to 100	
Sodium C14-16 Olefin Sulfonate (37% Dry) (Allanox @ 46 from Kao)	14.6
Example F' product	2.0
Tetrapotassium pyrophosphate	3.0
Butylglycol	1.0
EDTA-Na ₂	2.1
Perfume	e.g.
Preservative	e.g.
ANALYSIS	
Appearance	Transparent liquid
pH (100%)	7.0-8.0
Viscosity (cps) 20° C.	<10
% Dry matter	13.0-14.0
Stability	OK

What is claimed is:

1. Composition comprising

(i) compounds represented by the following formula (I), wherein each of H1, H2 and H3 independently represent a group represented by the following formula (II);

US 6,265,373 B1

13

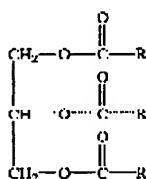
Formula (II):



wherein R represents an alkyl or alkenyl group having 6 to 22 carbon atoms;

the method comprising the following steps:

- a) subjecting a mixture of glycerine and a compound of the following formula (III) to an interesterification reaction:



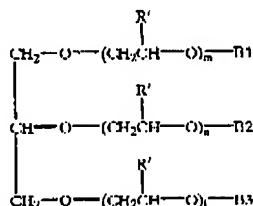
wherein R represents an alkyl or alkenyl group having 6 to 22 carbon atoms, and

- b) subjecting the reaction mixture obtained in step a) to an alkoxylation using an alkylene oxide having 2 or 3 carbon atoms in the presence of an alkaline catalyst.

9. Method for the preparation of a composition comprising

- (i) compounds represented by the following formula (I), wherein each of B1, B2 and B3 independently represent a group represented by the following formula (II);
- (ii) compounds represented by the following formula (I), wherein two of B1, B2 and B3 independently represent a group represented by the following formula (II), the remainder representing H;
- (iii) compounds represented by the following formula (I), wherein one of B1, B2 and B3 represents a group represented by the following formula (II), the remainder representing H;
- (iv) compounds represented by the following formula (I), wherein each of B1, B2 and B3 represent H;
- the weight ratio of the compounds (i)/(ii)/(iii) being 46 to 90/9 to 35/1 to 15;

Formula (I):



R' representing H or CH₃, and each of m, n, and l independently representing a number from 0 to 4, the sum of m, n and l being in the range of 1 to 4;

14

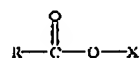
Formula (II):



wherein R represents an alkyl or alkenyl group having 6 to 22 carbon atoms;

the method comprising the following steps:

- a) reacting a mixture of glycerine and alkylene oxide having 2 or 3 carbon atoms in the presence of an alkaline catalyst, and
- b) reacting the reaction mixture obtained in step a) with a compound of the following formula (IV):



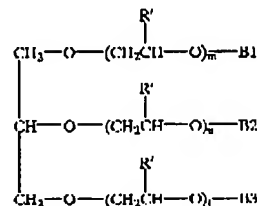
(IV)

wherein R represents an alkyl or alkenyl group having 6 to 22 carbon atoms, and X represents a methyl group or H.

10. Detergent composition containing a composition comprising the following compounds (i) to (iv) in an amount of 0.5 to 20 wt.-%.

- (i) compounds represented by the following formula (I), wherein each of B1, B2 and B3 independently represent a group represented by the following formula (II);
- (ii) compounds represented by the following formula (I), wherein two of B1, B2 and B3 independently represent a group represented by the following formula (II), the remainder representing H;
- (iii) compounds represented by the following formula (I), wherein one of B1, B2 and B3 represents a group represented by the following formula (II), the remainder representing H;
- (iv) compounds represented by the following formula (I), wherein each of B1, B2 and B3 represent H;
- the weight ratio of the compounds (i)/(ii)/(iii) being 46 to 90/9 to 35/1 to 15;

Formula (I):



R' representing H or CH₃, and each of m, n, and l independently representing a number from 0 to 4, the sum of m, n and l being in the range of 1 to 4;